Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/21/2021 10:07 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124575	-1	4.46	124581	4.51
Blue	F	SSC	125000	124515	-1	4.7	125142	4.7
Blue	E	FITC	14284	13784	-4	4.92	385	14.88
Blue	D	PE	23919	23500	-2	4.81	557	11.82
Blue	B	PerCP-Cy5-5	31332	30866	-2	5.31	882	16.61
Blue	A	PE-Cy7	22272	21976	-2	6.95	452	33.31
Red	C	APC	47768	47446	-1	3.05	1628	11.84
Red	A	APC-Cy7	25313	24673	-3	3.46	699	13.12
Violet	B	V450	7085	6845	-4	4.51	479	12.08
Violet	A	V500	26969	26155	-4	4.14	896	8.96

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23631	5.42	595	6	N/A	N/A	Pass
Blue	F	SSC	54964	4.63	529	8	N/A	N/A	Pass
Blue	E	FITC	57	55.6	500	-1	0.0366	18	Pass
Blue	D	PE	107	41.51	498	1	0.3728	316	Pass
Blue	B	PerCP-Cy5-5	136	45.26	589	1	0.0168	68	Pass
Blue	A	PE-Cy7	73	90.12	636	1	0.0195	8	Pass
Red	C	APC	339	27.6	582	2	0.0275	272	Pass
Red	A	APC-Cy7	128	37.06	555	0	0.0056	1298	Pass
Violet	B	V450	80	48.08	454	-9	0.0484	1924	Pass
Violet	A	V500	105	32.1	465	-9	0.0235	856	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.48	-31.31	1.08
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	13.84	13.60 - 20.40	N/A	N/A	29.71	29.92	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 10246

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments